

32692

Customer Number



Patent  
Case No.: 58718US002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: CULLER, SCOTT R.  
Application No.: 10/668799 Group Art Unit: 3723  
Filed: September 23, 2003 Examiner: Unknown  
Title: STRUCTURED ABRASIVE ARTICLES

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING  
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:  
MAY 7, 2004 Kathleen M. Sandvig  
Date Signed by: Kathy M. Sandvig

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. Copies of any cited foreign patents, non-patent literature, and unpublished US application documents are enclosed. Pursuant to the waiver in the Pre-OG Notice, dated July 11, 2003, copies of US patents and published US patent applications are no longer required and are not enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

It is believed that no fee is due; however, in the event a fee is required, please charge the fee to Deposit Account No. 13-3723.

If a first Office Action on the merits has been mailed prior to the mailing date of this document, please charge the fee for consideration of an Information Disclosure Statement set forth in 37 CFR § 1.17(p), and if necessary, please charge any additional fees, or credit any overpayment to Deposit Account No. 13-3723.

Respectfully submitted,

May 6, 2004  
Date

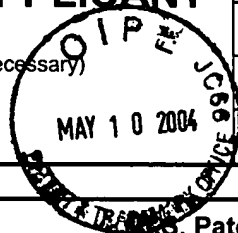
By: [Signature]  
Rick L. Franzen, Reg. No.: 51,702  
Telephone No.: (651) 736-6432

Office of Intellectual Property Counsel  
3M Innovative Properties Company  
Facsimile No.: 651-736-3833

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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Examiner Name	Unknown
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## U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
	A1	US- 3,594,865	07/27/1971	Erb	
	A2	US- 4,311,489	01/19/1982	Kressner	
	A3	US- 4,314,827	02/09/1982	Leitheiser et al.	
	A4	US- 4,518,397	05/21/1985	Leitheiser et al.	
	A5	US- 4,623,364	11/18/1986	Cottringer et al.	
	A6	US- 4,644,703	02/24/1987	Kaczmarek et al.	
	A7	US- 4,652,274	03/24/1987	Boettcher et al.	
	A8	US- 4,652,275	03/24/1987	Bloecher et al.	
	A9	US- 4,735,632	04/05/1988	Oxman et al.	
	A10	US- 4,751,138	06/14/1988	Tumey et al.	
	A11	US- 4,773,920	09/27/1988	Chasman et al.	
	A12	US- 4,799,939	01/24/1989	Bloecher et al.	
	A13	US- 4,881,951	11/21/1989	Wood et al.	
	A14	US- 4,903,440	02/27/1990	Larson et al.	
	A15	US- 4,959,265	09/25/1990	Wood et al.	
	A16	US- 4,964,883	10/23/1990	Morris et al.	
	A17	US- 4,985,340	01/15/1991	Palazzotto et al.	
	A18	US- 5,014,468	05/14/1991	Ravipati et al.	
	A19	US- 5,015,266	05/14/1991	Yamamoto	
	A20	US- 5,039,311	08/13/1991	Bloecher	
	A21	US- 5,061,294	10/29/1991	Harmer et al.	
	A22	US- 5,077,870	01/07/1992	Melbye et al.	
	A23	US- 5,137,542	08/11/1992	Buchanan et al.	
	A24	US- 5,152,917	10/06/1992	Pieper et al.	
	A25	US- 5,201,101	04/13/1993	Rouser et al.	
	A26	US- 5,201,916	04/13/1993	Berg et al.	
	A27	US- 5,203,884	04/20/1993	Buchanan et al.	
	A28	US- 5,236,472	08/17/1993	Kirk et al.	

\*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>Substitute for form 1449A/PTO (modified)</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)  Page 2 of 2	<b>Application Number</b>	<b>10/668799</b>
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	<b>First Named Inventor</b>	<b>Culler, Scott R.</b>
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	<b>Examiner Name</b>	<b>Unknown</b>
	<b>Attorney Case Number</b>	<b>58718US002</b>

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		Doc. Number-(Kind Code if Known)			
	A29	US- 5,304,223	04/19/1994	Pieper et al.	
	A30	US- 5,312,789	05/17/1994	Wood	
	A31	US- 5,316,812	05/31/1994	Stout et al.	
	A32	US- 5,378,251	01/03/1995	Culler et al.	
	A33	US- 5,435,816	07/25/1995	Spurgeon et al.	
	A34	US- 5,611,829	03/18/1997	Monroe et al.	
	A35	US- 5,672,097	09/30/1997	Hoopman	
	A36	US- 5,681,217	10/28/1997	Hoopman et al.	
	A37	US- 5,855,632	01/05/1999	Stoetzel et al.	
	A38	US- 6,076,248	06/20/2000	Hoopman et al.	
	A39	US- 6,129,540	10/10/2000	Hoopman et al.	

Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-Kind Code (If known)				
	B1	EP	0 306 161 A2	03/08/1989			
	B2	EP	0 306 162 A2	03/08/1989			
	B3	EP	0 109 581 A2	05/30/1984			
	B4	WO	93/12911 A1	07/08/1993			
	B5						

OTHER DOCUMENTS			
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	C1	ANSI B74, 18-1996 "For Grading of Certain Abrasive Grain on coated Abrasive Material"	
	C2	U.S. Application entitled "A COATED ABRASIVE BELT WITH AN ENDLESS, SEAMLESS BACKING AND METHOD OF PREPARATION," Benedict et al., filed July 24, 1992, having U.S. Serial No. 07/919541, (Attorney Docket No. 47415US029).	
	C3	U.S. Application entitled "A METHOD OF MAKING AN ABRASIVE ARTICLE," Spurgeon et al., filed January 14, 1993, having U.S. Serial No. 08/004929, (Attorney Docket No. 48969US009).	
	C4	U.S. Application entitled "ABRASIVE ARTICLE FOR FINISHING," Hoopman et al., filed September 13, 1993, having U.S. Serial No. 08/120300, (Attorney Docket No. 49933US015).	

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